Python MCQ (Multi Choice Questions)

Q. What is the maximum possible length of an identifier?

a. 16
b. 32
c. 64
d. None of these above

Answer: (d) None of these above
Explanation: The maximum possible length of an identifier is not defined in the python language. It can be of any number.

Q. Who developed the Python language?

a. Zim Den
b. Guido van Rossum
c. Niene Stom
d. Wick van Rossum

Answer: (b) Guido van Rossum
Explanation: Python language was developed by Guido van Rossum in the Netherlands.

Q. In which year was the Python language developed?

a. 1995
b. 1972
c. 1981
d. 1989

Answer: (d) 1989
Explanation: Python language was developed by Guido van Rossum in 1989.

Q. In which language is Python written?

a. English
b. PHP
c. C
d. All of the above

Answer: (b) C
Explanation: Python is written in C programming language, and it is also called CPython.

Q. Which one of the following is the correct extension of the Python file?

a. .py
b. .python
c. .p
d. None of these

Answer: (a) .py
Explanation: ".py" is the correct extension of the Python file.

Q. In which year was the Python 3.0 version developed?

a. 2008
b. 2000
c. 2010
d. 2005

Answer: (a) 2008
Explanation: Python 3.0 version was developed on December 3, 2008.

Q. What do we use to define a block of code in Python language?
a.   Key
   b. Brackets
   c. Indentation
   d. None of these

Answer: (c) Indentation
Explanation: Python uses indentation to define blocks of code. Indentations are simply spaces or tabs used as an indicator that is part of the indent code child. As used in curly braces C, C++, and Java.

Q. Which character is used in Python to make a single line comment?
a.   /
   b. //
   c. #
   d. !

Answer: (c) #
Explanation: "#" character is used in Python to make a single-line comment.

Q. Which of the following statements is correct regarding the object-oriented programming concept in Python?
a.   Classes are real-world entities while objects are not real
   b. Objects are real-world entities while classes are not real
   c. Both objects and classes are real-world entities
   d. All of the above

Answer: (b) Objects are real-world entities while classes are not real
Explanation: None

Q. Which of the following statements is correct in this python code?
1. class Name:
2.   def __init__(javatpoint):
3.   javajavatpoint = java
4. name1=Name("ABC")
5. name2=name1
   a. It will throw the error as multiple references to the same object is not possible
   b. id(name1) and id(name2) will have same value
   c. Both name1 and name2 will have reference to two different objects of class Name
   d. All of the above

Answer: (b) id(name1) and id(name2) will have same value
Explanation: "name1" and "name2" refer to the same object, so id(name1) and id(name2) will have the same value.

Q. What is the method inside the class in python language?
a.   Object
   b. Function
   c. Attribute
   d. Argument

Answer: (b) Function
Explanation: Function is also known as the method.

Q. Which of the following declarations is incorrect?

a. _x = 2

b. __x = 3

c. __xyz__ = 5

d. None of these

Answer: (d) None of these

Explanation: All declarations will execute successfully but at the expense of low readability.

Q. Why does the name of local variables start with an underscore discouraged?

a. To identify the variable

b. It confuses the interpreter

c. It indicates a private variable of a class

d. None of these

Answer: (c) It indicates a private variable of a class

Explanation: Since there is no concept of private variables in Python language, the major underscore is used to denote variables that cannot be accessed from outside the class.

Q. Which of the following is not a keyword in Python language?

a. val

b. raise

c. try

d. with

Answer: (a) val

Explanation: "val" is not a keyword in python language.

Q. Which of the following statements is correct for variable names in Python language?

a. All variable names must begin with an underscore.

b. Unlimited length

c. The variable name length is a maximum of 2.

d. All of the above

Answer: (b) Unlimited length

Explanation: None

Q. Which of the following declarations is incorrect in python language?

a. xyzp = 5,000,000

b. x y z p = 5000 6000 7000 8000

c. x,y,z,p = 5000, 6000, 7000, 8000

d. x_y_z_p = 5,000,000

Answer: (b) x y z p = 5000 6000 7000 8000

Explanation: Spaces are not allowed in variable names.

Q. Which of the following words cannot be a variable in python language?

a. _val

b. val

c. try

d. _try_

Answer: (c) try

Explanation: "try" is a keyword.

Q. Which of the following operators is the correct option for power(ab)?

a. a ^ b
b. a**b
c. a ^ ^ b
d. a ^ * b

Answer: (b) a**b
Explanation: The power operator in python is a**b, i.e., 2**3=8.

Q. Which of the following precedence order is correct in Python?

a. Parentheses, Exponential, Multiplication, Division, Addition, Subtraction
b. Multiplication, Division, Addition, Subtraction, Parentheses, Exponential
c. Division, Multiplication, Addition, Subtraction, Parentheses, Exponential
d. Exponential, Parentheses, Multiplication, Division, Addition, Subtraction

Answer: (a) Parentheses, Exponential, Multiplication, Division, Addition, Subtraction
Explanation: PEMDAS (similar to BODMAS).

Q. Which one of the following has the same precedence level?

a. Division, Power, Multiplication, Addition and Subtraction
b. Division and Multiplication
c. Subtraction and Division
d. Power and Division

Answer: (b) Division and Multiplication
Explanation: None

Q. Which one of the following has the highest precedence in the expression?

a. Division
b. Subtraction
c. Power
d. Parentheses

Answer: (d) Parentheses
Explanation: PEMDAS (similar to BODMAS).

Q. Which of the following functions is a built-in function in python language?

a. val()
b. print()
c. print()
d. None of these

Answer: (b) print()
Explanation: The print() function is a built-in function in python language that prints a value directly to the system.

Q. Study the following function:
round(4.576)
What will be the output of this function?

a. 4
b. 5
c. 576
d. 5

Answer: (d) 5